

(19) World Intellectual Property
Organization
International Bureau



523,370
10/523370
Rec'd PCT/PTO 07 FEB 2005

(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/015094 A1

- (51) International Patent Classification⁷: C12N 9/02, C12P 13/22
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- (21) International Application Number: PCT/EP2003/008507
- (22) International Filing Date: 31 July 2003 (31.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02102101.9 6 August 2002 (06.08.2002) EP
03100730.5 21 March 2003 (21.03.2003) EP
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
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- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF L-3,4-DIHYDROXYPHENYLALANINE BY AEROBIC FERMENTATION OF A MICROORGANISM

(57) Abstract: The invention relates to a process for the preparation of L-3,4-dihydroxyphenylalanine wherein L-3,4-dihydroxyphenylalanine is produced in a fermentation medium by aerobic fermentation of a recombinant microorganism having L-tyrosine-3-hydroxy-mono-oxygenase activity and at least the metabolic pathways: glycolysis, pentose phosphate pathway, aromatic amino acid pathway, or derivative pathways thereof, which process comprises (i) a growth phase and a production phase, wherein L-3,4-dihydroxy-phenylalanine is produced in the fermentation medium, and 10 (ii) a downstream processing phase, and in which process L-3,4-dihydroxy phenylalanine is produced from a carbon source and the pH is in the range of from 1 to 7 during at least part of the production phase and/or downstream processing phase.

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